

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,187,438 B2  
APPLICATION NO. : 10/050776  
DATED : March 6, 2007  
INVENTOR(S) : Hamamatsu et al.

Page 1 of 1

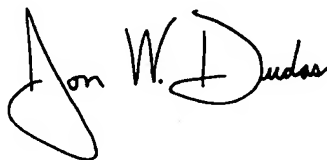
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Title Page

Item (73) Assignees: Hitachi, Ltd., Tokyo (JP) and Hitachi High Technologies Corporation, Tokyo (JP)

Signed and Sealed this

Seventh Day of August, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looping initial "J" and a distinct "D".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*